

ABSTRACT OF THE DISCLOSURE

An injection-molded plastic gear 1 as a molded gear includes a plurality of teeth 12 formed around an outer periphery of a rim, and a plurality of blades 8 formed at distances circumferentially on an inner peripheral surface of the rim 11 to produce an axial flow of air. A radially inner portion is formed on the side of inner peripheries of the blades 8 to support the rim 11 through the blades 8. When such injection-molded plastic gear 1 is rotated, the blades 8 produce an axial flow of air passed through holes 10 from the surface side to the back side. The flow of air can be blown to a part such as an IC, a motor and the like disposed adjacent the molded gear to cool it, and the heat of the teeth 12 and the rim 11 can be taken away by a heat transfer, whereby the teeth 12 and the rim 11 can be cooled. Thus, the injection-molded plastic gear 1 has a function as a cooling fan, whereby a forcible convection (flow of air) can be produced in a gear-accommodated space.